

Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #49—June 2, 2008

Work Completed: May 22-May 28, 2008

- Completed clearing and grubbing and access road construction in Removal Area 11B.
- Completed installation of resuspension control measures in Removal Area 11B.
- Continued removing soil and sediment from Removal Areas 10A and 10B, and continued removing floodplain soil from Removal Areas 11A, 12A, and 13A.
- Began removing floodplain soil over two gas utility pipelines in Removal Areas 10A and 10B.
- Continued soil/sediment solidification activities at Staging Area 4N.
- Continued loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continued loading and transporting solidified soil/sediment TSCA material from Staging Area 3S and from Removal Area 10B1 to EQ's Wayne County Disposal Facility located in Belleville, Michigan.
- Completed post-excavation work in Removal Area 9A, including installation of stone and topsoil.
- Completed the removal of resuspension control measures in Removal Area 9A.
- Began post-excavation work in Removal Area 10A; work includes installing stone and placing topsoil.
- Began operating the WCS.
- Began removing access roads in Removal Areas 2A, 3A, and 4A. Aggregate from the removal activities was excavated and stockpiled near Removal Area 4A. Six inches of topsoil was placed in areas where aggregate and geotextile materials were removed.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	490	14	1,295	37
2008 Total	875	25	22,120	632
Project Total to Date	4,025	115	56,035	1,601

** All values are unofficial, estimated quantities, subject to revision/verification.

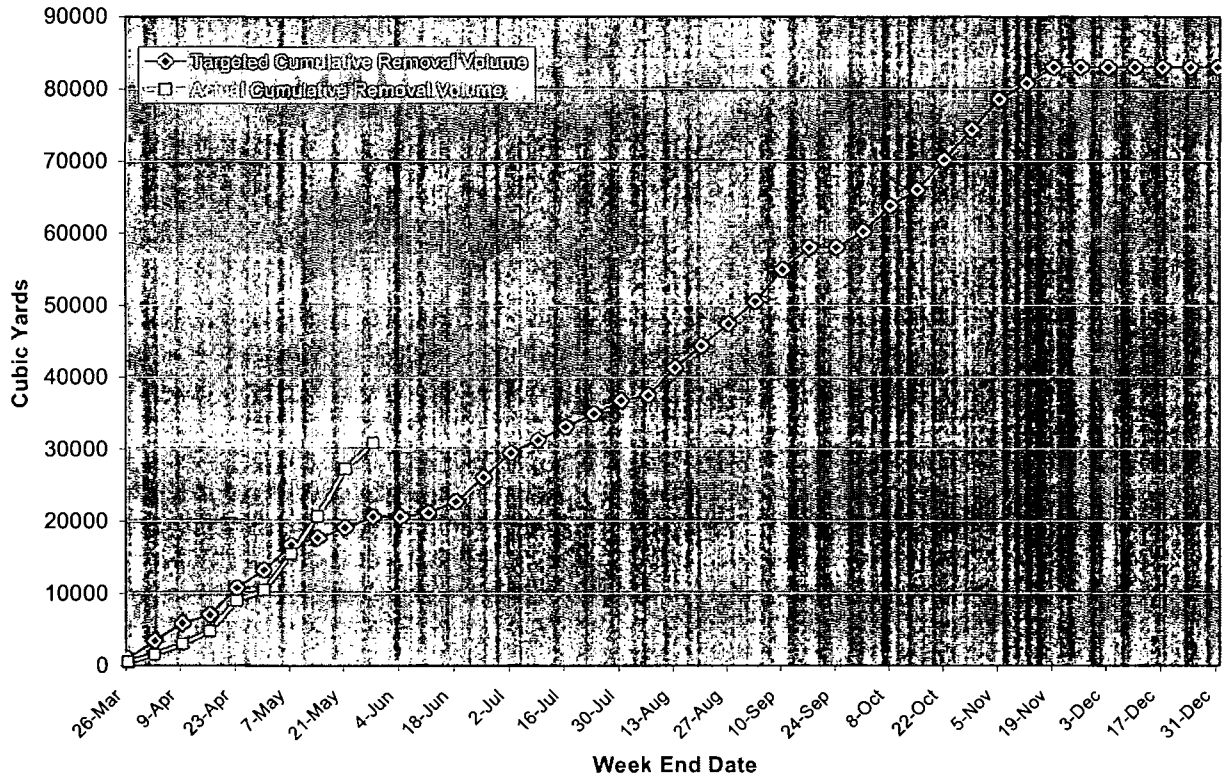
US EPA RECORDS CENTER REGION 5



Work Planned: May 29-June 4, 2008

- Continue removing soil and sediment from Removal Areas 10A and 10B, and floodplain soil from Removal Areas 11A, 12A, and 13A.
- Begin removing soil and sediment from Removal Area 11B.
- Complete the removal of soil and sediment from three areas identified by MDEQ in Removal Areas 6B and 7.
- Begin installing an erosion protection system including river run rock, topsoil, and coir logs in Removal Area 7.
- Continue soil/sediment solidification activities at Staging Area 4N.
- Continue loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continue loading and transporting solidified soil/sediment TSCA material from Staging Area 3S and from Removal Area 10B1 to EQ's Wayne County Disposal Facility located in Belleville, Michigan.
- Begin relocating the pugmill and temporary water treatment system from Staging Area 3S to Staging Area 5S.
- Continue post-excavation work, including installing stone and placing topsoil, in Removal Area 10A.
- Continue operation of the WCS.
- Complete the removal of access roads in Removal Areas 2A, 3A, and 4A. Aggregate from the removal activities will be excavated and stockpiled near Removal Area 4A. Six inches of topsoil will be placed in areas where aggregate and geotextile materials are removed.

Removal Progress

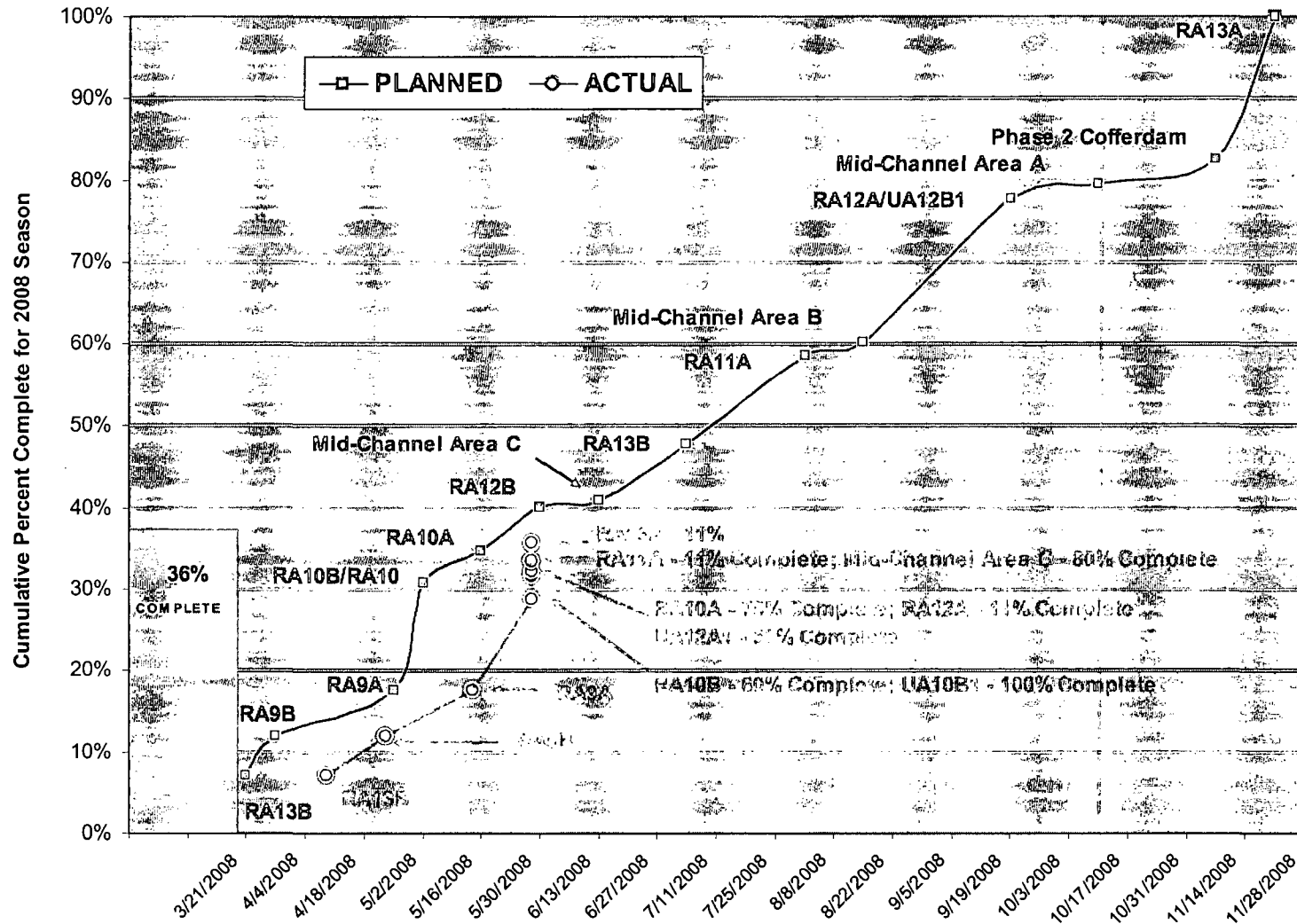


Notes:

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

Removal Progress



Notes:

For Areas where removal is less than 100%, the data point shown is an estimate based on area and volume considerations.

'Complete' is defined as removal of all targeted materials as detailed in the Plainwell TCRA Design Report.

Health & Safety Update

- 5 Loss Prevention Observations (LPOs) were completed during this period.
A total of 151 LPOs have been completed for the project to date.

Weather Summary

- No weather delays to report.

Environmental Monitoring and Construction Quality Assurance Testing

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Dewatering System Discharge Monitoring:

Discharge Flow: 0 gallons

Testing Performed this Week? No ☒ Yes ☐

Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☒ Yes ☐ in Removal Areas

Cleanup Standard Achieved? N/A ☒ Yes ☐ No ☐ If no, explain:

Issues Encountered/Solutions Advanced

- None.

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Equipment on Site

Equipment	5/22/08	5/23/08	5/24/08	5/25/08	5/26/08	5/27/08	5/28/08
Komatsu PC-300 Excavator	4	4	4	4	4	4	4
Komatsu PC-300 HD Long Reach	2	2	2	2	2	2	2
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Komatsu D65 Dozer	-	-	-	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	1	1	1	1	1	1	1
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	1	1	1	1	1	1	1
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

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Personnel, Regulatory Staff, and Visitors on Site

Individual/Affiliation	5/22/08	5/23/08	5/24/08	5/25/08	5/26/08	5/27/08	5/28/08
Terra Contracting Staff	25	25				25	25
Jim Saric/USEPA							
Michael Berkoff/USEPA							
Mike Ribordy/USEPA OSC	X						
Tom Crosett/USEPA						X	X
Paul Bucholtz/MDEQ							
John Bradley/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors	X	X				X	X
CDM Contractors	X	X				X	X
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
Steve Garbaciak/ARCADIS							
Scott Marcus/ARCADIS	X	X				X	X
Eric Hritsuk/ARCADIS							X
Wendell Miller/ARCADIS	X						
Matt Bowman/ARCADIS							
EJ Suardini/ARCADIS	X	X				X	X
Mike Kohagen/ARCADIS	X	X				X	X
Michelle Rumler/ARCADIS	X	X				X	X
Joe Willoughby/ARCADIS	X						X
Ben Lawrence/ARCADIS							
Adam Chwalibog							X
ARCADIS H&S Audit Team							
Nick Harmer/ARCADIS	X						X
Other Subcontractors (Specify)							
King Co.							2
JF New						2	2

Photos from Week #49



Consumers Energy representative clearing soil from around the gas utility pipeline in Removal Area 10B.



Post-construction activities underway in Removal Areas 9A and 10A.

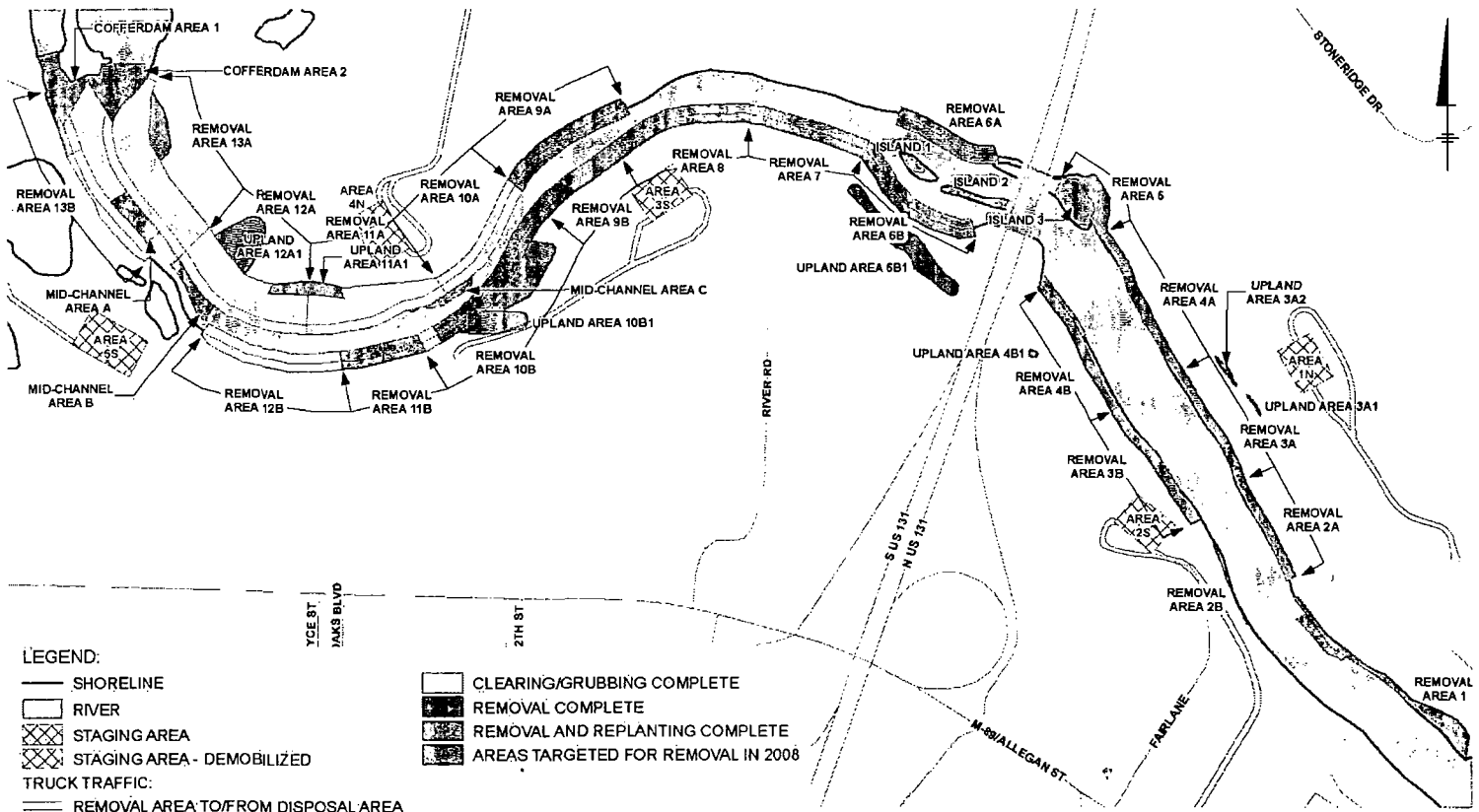


Removing resuspension control measures in Removal Area 9A.



Excavating floodplain material that overlies a natural gas utility pipeline in Removal Area 10A.

Targeted Removal Areas—Former Plainwell Impoundment



Notes:

Additional planting in 'Removal and Replanting Complete' areas may be necessary in 2008.

All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.

